

IN THE SPECIFICATION

Please amend paragraph [0004] as follows:

The amount of scattering at a surface increases as the roughness of the surface increases. The sidewalls of a waveguide are often formed by etching an optical component according to the Bosch process. The Bosch process employs alternating application of a passivant and an etchant. The alternating steps of the Bosch process result in sidewalls with an undesirably high level of roughness. For instance, the Bosch method typically provides a roughness of about 220 nm. However, optical components typically require reflecting surfaces with a roughness less than about 50 nm.